

MEMORANDUM FOR THE RECORD

July 8, 1987

FROM: BARS/CLAS Technical Working Group

SUBJECT: Missing Functionalities In Cullinet Application Software - CAS

REFERENCE: Systems Analysis and Implementation Questions,  
Section II, Question 4

1. The purpose of this memorandum is to document the responses received to date relating to the question of missing functionalities in the Cullinet Application Software. It should be noted that this document cannot address the complete list of missing functionalities at this time. It is assumed that, testing of CAS version 1.2, and discussions with Cullinet's developers of version 1.3 will surface additional items and/or eliminate some of those noted below. These lists will be updated as information becomes available.

2. The Office of Finance functional team has submitted two documents relating to the above subject. The first discusses the Cullinet Accounts Payable package in terms of external and internal vendors. The second discusses deficiencies in the General Ledger package. The document addresses three categories ; (a) Funds Control, (b) General, (c) Other Sub-Systems. See attachments A & B. Within the GL document, there are references in parentheses to "Issue nn" . These references are to issues that the GL team has previously documented.

3. The Office of Logistics list was compiled from a verbal report by the Purchasing and Manufacturing teams at the Working Group meeting on 8 June 1987. See attachments C & D.

4. Please notice that, in some instances, both Accounts Payable and Purchasing draw attention to the same deficiencies.

5. Also of major concern is the use of User Defined Fields. It is very possible that some of the fields available in 1.2 may be used to satisfy customer requirements that are missing in the CAS package, as well as allow an easy implementation. The concern is that CAS may use these fields in the 1.3 release.

6. Any corrections, additions or comments will be greatly appreciated.

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Attachment A

July 8, 1987

MISSING FUNCTIONALITY  
IN THE ACCOUNTS PAYABLE PACKAGE

Originally written by   
Revised by the BARS/CLAS Working Group  
Written: 11 June 1987

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The following are some of the major functional areas that appear to be missing in the package software. Some of them may be found in the prototyping effort or in the new software release.

EXTERNAL VENDORS

1. Inability to differentiate between cost and fee on cost type contracts.
2. Lacks capability to handle progress payments and their liquidation.
3. Does not provide for withholding.
4. May not be able to accommodate work orders.
5. Inability to accommodate any of the requirements of the Commercial Systems Audit Division (CSAD). (NOTE: This division is a unit within the Office of Finance responsible for auditing commercial contracts. Most of the contracts audited are of the cost type variety.) Some of the missing functionality here is the capability to process disapproved costs and fees, reinstatements, audit dates and schedules.
6. Lacks capability to process contractor advances and liquidate invoices against them.
7. Lacks capability to process patent release. This is needed in order to effect final settlement of a contract.
8. Freight cannot be paid as a separate invoice with the expense being charged to the appropriate purchase order.
9. Lacks capability to suspend cost/fee/freight.
10. Potential accommodation of "fast pay" with multiple distribution.

INTERNAL VENDORS

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1. Lacks capability to record accounting due date. This is needed to automatically generate delinquent reports/statements.
2. May not be able to handle prepaid expenses; i.e., GTR's or tickets.
3. May not be able to handle expense accountings for advances made outside of the Headquarters area.
4. May not be able to handle the number of AR 'Short Codes' required to comply with our Chart of Accounts.

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Attachment B

26 June 1987

MISSING FUNCTIONALITY In Cullinet GENERAL LEDGER Ver. 1.1  
Compiled by ABE/GL Team

FUNDS CONTROL

1. Fiscal Control (Control Over Obligations and Expenditures)

The current CGL software is not adequate for required fiscal control; specifically

- a. No provisions are made for recording the distributions of funds (obligation authority) e.g., apportionments, allotments, etc.
- b. There is no way to check real time on-line fund availability prior to commitment or obligation.
- c. There is no way to check real time on-line fund balances.
- d. There is no way to record on-line certifications or administrative approvals.

2. Output Reports

Based upon CGL 1.1 capabilities, we cannot produce the following required reports:

- a. Open Obligations Activity Report (OOAR)
- b. Status of Allotments (Agency and Working Funds Advances)
- c. Status of Advances from Other Government Agencies
- d. Open Commitment Activity Report (OCAR)
- e. Open Encumbrances and Issues Report
- f. Trend Reports (Budget Execution)
- g. Subsidiary Ledger Reports

3. Year-End Closing

CGL 1.1 cannot accommodate fiscal year-end closing requirements.

4. Year-End Balances

We may be unable to accumulate and maintain current and cumulative balances for

the current year and two prior fiscal years so that the Status of Allotments and Trend reports can be prepared. (Issue 2 and 3)

5. Maintenance of 'M' Account

It may not be possible to maintain fiscal year identity in the 'M' year accounts.

6. Automatic Translation of Expense Account Data

Current 1.1 procedures do not provide for automatic posting from a expense account (e.g., 4221) to the appropriate budgetary accounts. The software now requires a translation code to be input with each entry. (Issue 28)

GENERAL (EXCLUDING FUNDS CONTROL)

1. The Account Key

The size of the Account Key may not be sufficient to accommodate the number of data elements needed to satisfy essential control and reporting requirements.

2. Posting Cycle Dates

Cullinet's posting cycle standard reports show the period-end date. Since we process on a daily basis, we need to show the current date (i.e., processing date) on these reports.

3. Journal Entry ID

CGL does not identify the individual who actually keys in the journal entries. Under decentralized accounting operations, this identification is essential.

4. Field Station Accountability, Working Fund Advances, and Reimbursements

There are three (3) important functional areas that have not yet been tested due to related security problems. These 3 areas may well contain functional deficiencies. They are:

- a. Field station accountability (Issues 10 and 39)
- b. Working fund advances (Issue 17)
- c. Reimbursements/Receivables (Issue 31)

5. Purge to History

In the Cullinet system, purge to history is done on an 'all or none' basis. We want to purge selectively off the transaction/merge file. (Issue 4)

6. OF/DBMB Voucher Numbers

CGL 1.1 does not provide for the issuance and control of OF/DBMB Voucher

numbers. This gives rise to a series of basic problems, such as:

- a. Will voucher number entry be centralized or decentralized?
- b. Can voucher numbers be generated automatically?
- c. Who will enter the voucher numbers? (Issue 8)

#### 7. Certification

There is no provision for on-line automatic certification. (Issue 9)

#### 8. ATMs

There are no procedures in CGL 1.1 covering the use of automatic teller machines if their use is authorized as noted in the HLR. (Issue 18)

#### 9. Record Storage and Retention

No provisions have been made for compliance with current storage and retention period regulations. Related questions include:

- a. Will back-up hard copy reports be required?
- b. Will tape storage be authorized?
- c. How long will tapes last? (Issue 19)

#### 10. Audit Reports

'S' Audit is a dump of the system definition items.

'M' Audit is a dump of the GL data area.

There is no audit report which shows a dump of the journal area. (Issue 36)

#### 11. Advances Paid in the Field

CGL 1.1 may not be able to handle the required expense accounting for advances that are paid outside the headquarters geographical area.

### OTHER SUB-SYSTEMS

#### 1. Payroll

Even after 1.3 has been implemented, additional programming may be needed to accommodate payroll (and other systems) with CGL.

#### 2. Reports of Delinquency

CGL lacks the capability to record the accounting due date that is needed for automatic delinquency reporting.

#### 3. Prepaid Expenses

CGL may not be able to process GTR's and tickets as prepaid expenses.

4. Short Codes

The number of AR 'Short Codes' may be excessive relative to the size of our present Chart of Accounts.

5. Progress Payments

CGL may not be able to handle Agency progress payments to civilian contractors. The same may be true for payments that are being 'withheld'.

6. Freight Payments

Freight cannot be paid as a separate invoice with the expense being charged to the appropriate purchase order.

ATTACHMENT C

Missing Functionality in the Cullinet Purchasing Package

\* 1. Inability to handle Cost Type contracts.

a. It is presumed that version 1.3 will not offer a solution.

\* 2. Inability to handle Bi-lateral contracts. It is thought that there may be a solution, but they are not sure on how an obligation would be handled.

\* 3. There is no provision for handling Pre-, Interim, or Final audit data submitted by Commercial Systems Audit Division (CSAD).

4. There is no provision to allow the Contracting Officer's Technical Representative to submit a performance evaluation on contractors.

\* 5. There are no "withholding" provisions.

\* 6. Lacks capability to handle progress payments.

7. Lacks capability to handle Contract Settlement and Closeouts.

8. Lacks capability to handle Award Type Contracts.

9. There is no provision to allow documentation of contracts. The current textual information for contracts resides on the WANG ALLIANCE system. If Cullinet does not plan to provide this feature, we should explore other options of satisfying OL's requirement to keep this data in the mainframe.

10. Yet to be explored, but of concern are:

- a. handling of Government Furnished Equipment
- b. retirement (archiving) of contracts
- c. recall of archived contracts

\* Also applicable to Accounts Payable



**ATTACHMENT D**

**Missing Functionality In the Cullinet Manufacturing Package**

1. There is no single entry point for requisitions.
2. There is no provision for consignee address. This address is different from the "Ship To" address.

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